

SPECIAL REPAIRS TO ROOF, CEILING AND ELECTRICAL WORKS AT ESI HOSPITAL, SALEM

Financial Bid

S.No	DSR /MR	Description of Item	Unit	Qty	Rate	Amount
1.1	15.23.2	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead. - For thickness of tiles above 25 mm and up to 40 mm	Sqm	818.35		
2.0	15.1	Demolishing lime concrete manually/ by mechanical means and disposal of material within 50 metres lead as per direction of Engineerin- charge.	Cum	95.63		
3.0	12.20	Providing and laying pressed clay tiles (as per approved pattern 20 mm nominal thickness of approved size) on roofs jointed with cement mortar 1:4 (1 cement : 4 coarse sand) mixed with 2% integral water proofing compound, laid over a bed of 20 mm thick cement mortar 1:4 (1 cement : 4 coarse sand) and finished neat complete.	Sqm	818.35		
4.0	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	Cum	64.49		
5.0	26.28	Chipping of unsound/weak concrete material from slabs, beams, columns etc. with manual Chisel and/ or by standard power driven percussion type or of approved make including tapering of all edges, making square shoulders of cavities including cleaning the exposed concrete surface and reinforcement with wire brushes etc. and disposal of debris for all lead and lifts all complete as per direction of Engineer-In-Charge	Sqm	329.86		
6.0	18.48	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	Litre	10000.00		

S.No	DSR /MR	Description of Item	Unit	Qty	Rate	Amount
7.0	5.28	Providing and fixing in position 12mm thick bitumen impregnated fiber per cm board conforming to IS: 1838, including cost of primer, sealing compound depth per Grade-A in expansion joints. 100 m	Per Cm depth per 100 Metre	3.15		
8.2	5.29.2.2	Providing and fixing sheet covering over expansion joints with iron screws as per design - 5.29.2 Aluminium fluted strips 3.15 mm thick - 200 mm wide	Metre	15.75		
9.0	MR 4	Roof Slab water proof treatment - Providing water proofing treatment for roof slab with Polymeric Meberane coating like (BRUSH BOB RFX or equalant) surface shall be cleaned and free from dirt or any other form of forign matter. Acid wash and water wash the surface and allow the surface to dry. mix the Part A and part B of the polymer modified cemeionues coating mechanically using an electrical operated mix paddle. apply the same in two coats over the prepared surface one after the other dry up with minium interval of 4 hours between the coats. Providing pressure grouting in all the vertical and Horizontal joint including the suspected areas	Sqm	818.35		
10.0	MR 5	Protective Plaster for Ploymeric membrenace coat - Providing Cement sand mortor 1: 4 and apply the same to an average thickness of 12 mm cement finished with a cloating coat of neat cement of mix with water proofing compound of complast X421 IC or equalant approved quality in proportion recomanded by the manufacturrers	Sqm	818.35		
11.0	DATA A	Weathering course using concrete broken brick jelly 20 mm guage in pure slaked lime (No sand to be used) over RCC roof slab. The proportion of broken brick jelly to slaked lime being 32:12.5 cft well beaten by wooden beaters for giving required slope and thickness required etc. complete complying with standard specifications and as directed by Departmental Officers Lead 12 Km	Cum	81.84		

S.No	DSR /MR	Description of Item	Unit	Qty	Rate	Amount
12.0	MR	MICRO CONCRETING-ANTICORROSIVE COATING:- Clean the rebars using the rust remover if there exist any rust, otherwise clean the rebar free of foreign material. Mix the base and hardner of the zinc rich epoxy resin machanically using a slow speed heavy duty drilling machine fitted with mixing paddle. Apply the mixed materials to the cleaned rebar and allow it to dry complete	Sqm	328.00		
13.0	MR	MICRO CONCRETING- ADDITIONAL REINFORCEMENT:Check the diameter of the existing rebars and if the diameter is less than 50% of the original diameter, provide additional reinforcemenet. Cut 12mm dia bars as main reinforcement to the required length with proper developement lenght. Tie them to the prefixed sher connectors so that the additional rebar acts monolithically with teh existing ones and core concrete. In the case of the sher reinforcemenet also, if the diameter of the rebars are reduced, provide 8mm dia stirups in the form of 2 "U" shaped bars. Tie them properly so that it has a tight contact withe main bars	Kg	1312.00		
14.0	MR	MICRO CONCRETING-APPLICATION OF EPOXY JOINTING COMPOUND: Mix the base and hardner of the epoxy jointing compound using a slow speed heavy duty drilling machine fitted with mixing paddle and apply the same to the prepared lintel beam/beam surface. Make sure that the concreting is done within 3 hours and the application should be done in such a way that allowance for concreting be kept in mind	Sqm	328.00		

S.No	DSR /MR	Description of Item	Unit	Qty	Rate	Amount
15.0	MR	MICRO CONCRETING - FORM WORK: Supply of slurry tight form work which should not deform and leak due to pressure of micro concrete. Provision should be made for a suitable freed hooper for pouring concrete. The form work should be coated with the mould release agent prior to final fixing in position. Proper supporting arrangement to be made for keeping the shutter in correct line and length-complete	Sqm	328.00		
16.0	MR	MICRO CONCRETING:- Stock sufficient quantity of micro concrete (RENDROCRG of fasroc or equal make) and 12mm down graded chips on site to enable the completion of the pouring in a continuous operation. An approved concrete mixer or a slow speed heavy duty drilling machine fitted with mixing paddle shall be used. Mix the micro concrete and the 12 mm down grade chips in the ratio of 1:0.5 by weight with the required quantity of water and place the same to the prefixed well before the epoxy jointing compound dries up. Remove the form work after 24 hours in the case of column and after a period of 72 hours in the case of slab and beam and check for any surface defects and if so apply to polymer modified mortar-Complete	Sqm	328.00		
17.1	1.10.2	Wiring for light point/ fan point/ exhaust fan point/ call bell point with 1.5 sq.mm FR PVC insulated copper conductor single core cable in surface / recessed medium class PVC conduit, with modular switch, modular plate, suitable GI box and earthing the point with 1.5 sq.mm. FR PVC insulated copper conductor single core cable etc as required. - Group B	Point	79.00		

S.No	DSR /MR	Description of Item	Unit	Qty	Rate	Amount
18.0	1.12	Wiring for light/ power plug with 2X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 1 No 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mtr	186.00		
19.0	1.13	Wiring for light/ power plug with 4X4 sq. mm FR PVC insulated copper conductor single core cable in surface/ recessed medium class PVC conduit alongwith 2 Nos 4 sq. mm FR PVC insulated copper conductor single core cable for loop earthing as required.	Mtr	43.00		
20.1	1.14.2	Wiring for circuit/ submain wiring alongwith earth wire with the following sizes of FR PVC insulated copper conductor, single core cable in surface/ recessed medium class PVC conduit as required - 2 X 2.5 sq. mm + 1 X 2.5 sq. mm earth wire	Mtr	164.00		
21.1	1.24.1	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. - 5/6 amps switch	Each	13.00		
21.2	1.24.3	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. - 15/16 amp switch	Each	9.00		
21.3	1.24.4	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. - 3 pin 5/6 amp socket outlet	Each	13.00		
21.4	1.24.5	Supplying and fixing following modular switch/ socket on the existing modular plate & switch box including connections but excluding modular plate etc. as required. - 6 pin 15/16 amp socket outlet	Each	9.00		

S.No	DSR /MR	Description of Item	Unit	Qty	Rate	Amount
22.0	2.18	Supplying and fixing 20 amps, 240 volts, SPN industrial type, socket outlet, with 2 pole and earth, metal enclosed plug top alongwith 20 amps "C" curve, SP, MCB, in sheet steel enclosure, on surface or in recess, with chained metal cover for the socket out let and complete with connections, testing and commissioning etc. as required.	Each	16.00		
23.0	1706	6 amps. to 32 amps. ratings , SP MCB, "C" curve, 10 KA breaking capacity	Each	8.00		
24.0	1716	100 amps., 4 pole isolator	Each	3.00		
25.0	1754	4 way (4+12), TPN, MCB DB, double door, horizontal type	Each	1.00		

TOTAL